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Progers

Looked into drying rack problems/min
increase # of dk units ⁽¹⁰⁾ (5427)
condenser height of TV end of processor.

Temp control

Tachometer - & adjustable.

Increase drain pipe -

Pos press build-up - modify but they want increase

Mtg. Two PM on dryer redesign.

Declass Review by NIMA/DOD

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MEMORANDUM

ascertain up-to-date info on *Processor.*
They are still investigating - Have decided
additional IR dryers will not suffice &
will have to go to conventional drying.
Will increase height at take-up end.
Temperature control being looked into.
Adjustable drive w/ direct reading
tachometer being added. Increasing
drain size to allow complete dump.
Positive pressure build-up is alleviated
by increasing vent size. Meeting at
this PM to finalize dryer design.
12 Nov. 68

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FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

47)

DOD - end Feb
beg march

Speed Indicator - broader spread
 Extenders & knobs on temperature controls
 Test all four films

1/28/69
Y. S. I.

Pre Ace Test Parameters:

[Redacted]

1.87 gamma
2.34 gamma
1.22-1.5

- ① *Exposure tests - Temp, speed, transport - functional check out -*
- ② *Sensitivity & uniformity flow. (Sens strips)*
- ③ *Head & Tail (High & low contrast) (No Dup)*
- ④ *Drying - long length to show effect of moisture.*
- ⑤ *1 Piece of 70 mm film.*

Waive archival quality

Installation data - to be supplied. Also what done -
 need in way of equipment - heaters, etc.
 Spm - how long in DC?
 AF will supply flos-meters.

✓ 1. Dryer Unit - Requires redesign. Additional infra-red units to adequately dry heavy base film. Also, smaller unit directed at emulsion for slight drying effect (after). Also, high velocity air turbulence should be reduced in dryer.

✓ 2. Redesign of 90° turn-around roller-creases 9 1/2" film.

✓ 3. Addition of proper tank controls - calibrated adjustment dials.

Also consider some cooling or refrigeration system in tanks.

✓ 4. Positive pressure - causing bubbling and leakage around covers and causes chemistry to be forced back into the replenishment bottles. Larger diameter exhaust hoses may relieve this.

✓ 5. Replenishment System - requires a controlled system rather than demand system now existing. The existing overflow pipe can be used for leveling - or a controlled outlet on tank bottom as an alternative.

✓ 6. Film speed control - should be a true-reading speed selector calibrated in f/minute.

7. Drain pan - extend to include wash tank section and enlarge drainage outlet. Need to dump all tanks at one time.

8. Leakage and spillage on electric motors and pumps. - *caused by positive pressure.*

9. Noise level (Redesign of dryer).

Connectors & flow meters 7/ hook-up to tank farm -